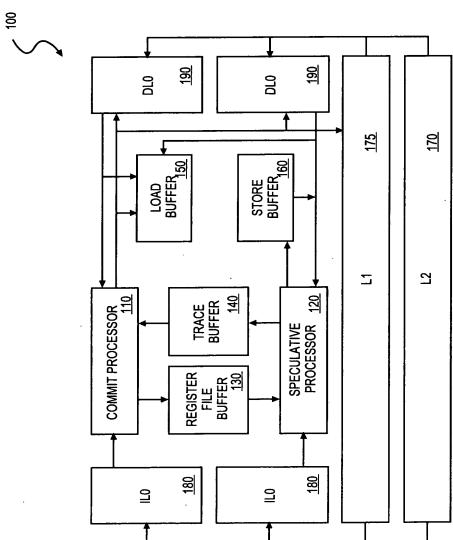
Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: A MULTITHREADED PROCESSOR CAPABLE OF IMPLICIT MULTITHREADED EXECUTION OF A SINGLE-THREAD PROGRAM 1st Named Inventor: Haitham Akkary Application No.: 09/896,526 Docket No.: 42390P11201 Sheet: 1 of 7







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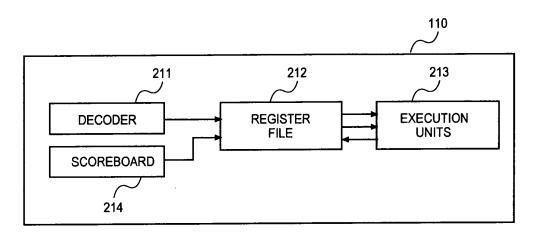


FIG. 2

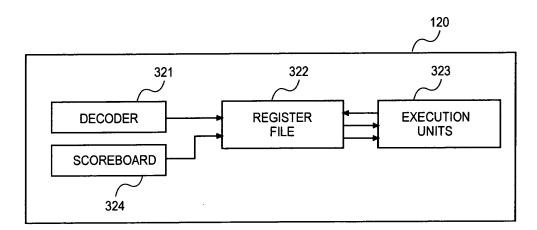


FIG. 3



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	420	430 گرے	440	450	460	
160	TAG	VALID	DATA	STORE ID	THREAD	
						410
	:	•		:	:	

FIG. 4

	520 كر	53 ر	0	540 ك	550 ر		
150	TAG	VALID	LOAD ID	LOAD TH	READ ID	$  \   ]$	
				<u> </u>			
						]	<b>&gt;</b> 510
	:	:	<u> </u>	:			
			<u> </u>			」ノ	

FIG. 5



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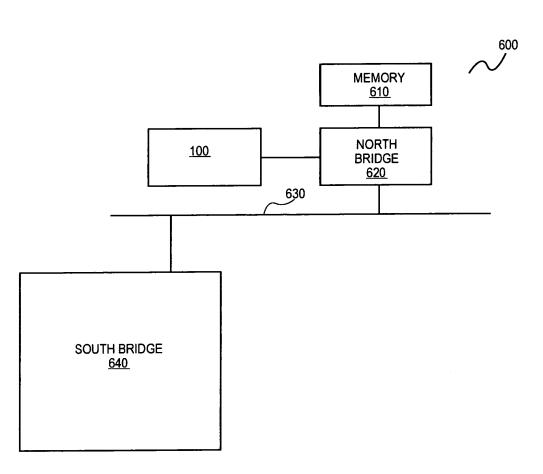


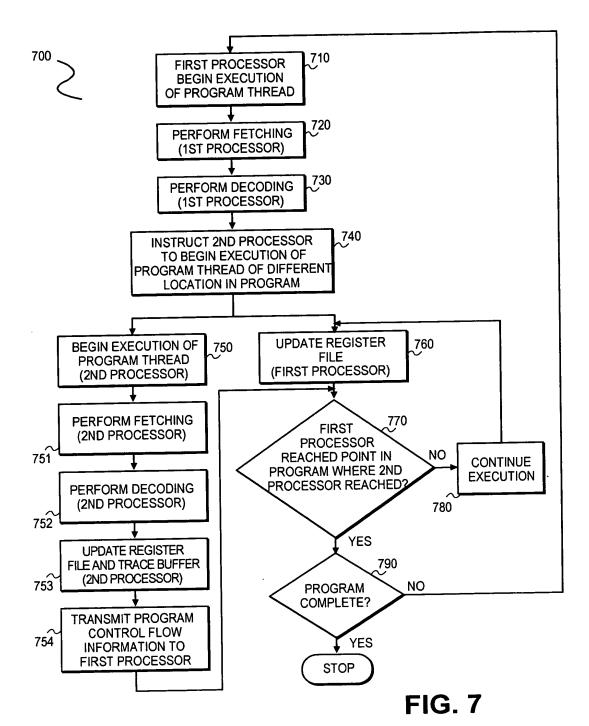
FIG. 6



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820 810 130 **PREDICATE** INTEGER REGISTER **REGISTER BUFFER BUFFER** 

FIG. 8



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